

### CLAIMS

1. An inkjet recording ink comprising a high-molecular dispersant, a water-insoluble colorant which is at least one colorant selected from the group consisting of C.I. Pigment Yellow 3, C.I. Pigment Yellow 74, C.I. Pigment Yellow 93, C.I. Pigment Yellow 95, C.I. Pigment Yellow 109, C.I. Pigment Yellow 120, C.I. Pigment Yellow 128, C.I. Pigment Yellow 138, C.I. Pigment Yellow 151, C.I. Pigment Yellow 175, C.I. Pigment Yellow 183, and C.I. Pigment Yellow 184, a water-soluble organic solvent, and water, characterized in that said high-molecular dispersant is a block copolymer comprising at least one hydrophobic block and at least one hydrophilic block, and said at least one hydrophobic block and at least one hydrophilic block have been obtained by polymerizing vinyl ethers as monomers, respectively.

2. An inkjet recording ink comprising a high-molecular dispersant, a water-insoluble colorant which is at least one colorant selected from the group consisting of C.I. Pigment Black 1, C.I. Pigment Black 7, C.I. Pigment Black 10, C.I. Pigment Black 31, and C.I. Pigment Black 32, a water-soluble organic solvent, and water, characterized in that said high-molecular dispersant is a block copolymer comprising at least one hydrophobic block and at least one hydrophilic block, and said at least one hydrophobic block and at least one hydrophilic block have been obtained by polymerizing vinyl ethers as monomers, respectively.

3. An inkjet recording ink comprising a high-molecular dispersant, a water-insoluble colorant which is at least one colorant selected from the group consisting of C.I. Pigment Red 12, C.I. Pigment Red 122, C.I. Pigment Red 184, C.I. Pigment Red 202, C.I. Pigment Violet 19, and C.I. Pigment Violet 32, a water-soluble organic solvent, and water, characterized in that said high-molecular dispersant is a block copolymer comprising at least one hydrophobic block and at least one hydrophilic block, and said at least one hydrophobic block

and at least one hydrophilic block have been obtained by polymerizing vinyl ethers as monomers, respectively.

4. An inkjet recording ink comprising a high-molecular dispersant, a water-insoluble colorant which is at least one colorant selected from the group consisting of C.I. Pigment Blue 15:1, C.I. Pigment Blue 15:2, C.I. Pigment Blue 15:3, C.I. Pigment Blue 15:4, C.I. Pigment Blue 15:6, C.I. Pigment Blue 16 and C.I. Pigment Green 7, a water-soluble organic solvent, and water, characterized in that said high-molecular dispersant is a block copolymer comprising at least one hydrophobic block and at least one hydrophilic block, and said at least one hydrophobic block and at least one hydrophilic block have been obtained by polymerizing vinyl ethers as monomers, respectively.

5. An inkjet recording ink according to any one of claims 1 to 4, wherein said inkjet recording ink comprises further at least one member selected from the group consisting of a calcium compound and a magnesium compound.

6. An inkjet recording ink according to any one of claim 5, wherein a weight ratio of a sum(A) of said calcium compound and said magnesium compound to said high-molecular dispersant (B), A:B is in the range of from 1:50,000 to 1:200.

7. An inkjet recording ink according to any one of claims 1 to 4, wherein said inkjet recording ink comprises further an aluminium compound.

8. An inkjet recording ink according to any one of claims 1 to 4, wherein said at least one hydrophilic block in said high-molecular dispersant is formed of an anionic vinyl ether.

9. An inkjet recording ink according to any one of claims 1 to 4, wherein said at least one hydrophilic block in said high-molecular dispersant is formed of a nonionic vinyl ether.

10. An inkjet recording ink according to any one of claims 1 to 4, wherein said at least one hydrophilic block in said high-molecular dispersant is composed of at least two blocks consisting of a block formed of a nonionic vinyl ether and a block formed of an anionic vinyl ether.

11. An inkjet recording ink according to any one of claims 1 to 4, wherein said high-molecular dispersant is composed of a block formed of one of hydrophobic vinyl ethers, a block formed of one of nonionic hydrophilic vinyl ethers and a block formed of one of anionic hydrophilic vinyl ethers at least in this order.

12. An inkjet recording method, which is conducted by applying energy to an ink to cause said ink to fly onto a recording medium, characterized in that said ink is an ink as defined in any one of claims 1 to 11.

13. An inkjet recording method according to claim 12, wherein said energy is thermal energy.

14. An inkjet recording method according to claim 12, wherein said recording medium has an ink-receiving coating layer on at least one of opposite sides thereof.

15. An ink cartridge provided with an ink reservoir with an ink stored therein, characterized in that said ink is an ink as defined in any one of claims 1 to 11.

16. An inkjet recording system provided with an ink cartridge, which is provided with an ink reservoir with an ink stored therein, and also with a recording head portion for ejecting said ink, characterized in that said ink is an ink as defined in any one of claims 1 to 11.